TERENT'YEV, V.M.; STASENKO, N.N.

Disorders in the carbohydrate metabolism of barley plants caused by early lodging on peat soils [with summary in English]. Fiziol. rast. 5 no.3:259-263 Mr-Je '58. (MIRA 11:6)

1. Institut biologii AN BSSR, Minsk.
(Barley)
(Carbohydrate metabolism)
(Peat soils)

TERENT YEV, V.M.

Characteristics of the convergence zone of the Aldan Shield and Dzhugdzhur fold region. Inform.sbor. VSEGEI no.22:77.81 159.

(MIRA 14:12)

(Aldan Platteau-Faults(Geology)) (Dzhugdzhur Range-Faults(Geology))

TERENT'YEV, V.M.; TSAREVA, R.I.; LOYKO, A.N.

Effect of soil conditions on the chemical composition of barley grain. Biul. Inst. biol. AN BSSR no.5:157-162 '60.

(MIRA 14:7)

(BARLEY) (PEAT SOILS) (GRAIN—ANALYSIS AND CHEMISTRY)

TERENT'YEV, V.M.; TSAREVA, R.I.; LOYKO, A.N.

Physiological relationships among individual shoots in the barley plant. Biul. Inst. biol. AN BSSR no.5:163-180 '60. (MIRA 14:7)

(BARLEY) (PLANTS, MOTION OF FLUIDS IN)

" (BARLEY) (PLANTS, MOTION OF FLUIDS IN)

 TERENT YEV, V.M.; GOLOVNEVA, N.B.

Physiological role of iodine in plants. Biul. Inst. biol.
AN BSSR no.6:130-134 '61. (MIRA 15:3)
(PLANTS, EFFECT OF IODINE ON)

TERENT YEV, V.M.; STASENKO, N.N.; PETROVICH, Zh.I.

Duration of the assimilation of C<sup>14</sup>O<sub>2</sub> and of the utilization of assimilates by aerial parts of barley in onthogenesis.

Biul. Inst. biol. AN BSSR no.6:135-141 161. (MIRA 15:3)

(PLANTS—ASSIMITATION)

Physiological relations between barley shoots of different age.
Biul. Inst. biol. AN BSSR no.6:142-150 '61. (MIRA 15:3)

(BARLEY)

(PLANTS-ASSIMILATION)

TERENT'YEV, V.M.; TSAREVA, R.I.; LOYKO, A.N.

Effect of lateral shoots on the feeding of the main stem of the gramineae. Biul. Inst. biol. AN BSSR no.6:151-157 '61.

(GRAMINEAE)

(PLANTS:::MUTRITION)

```
TERENT'YEV, V.M.; TERENT'YEVA, M.V.

Microelements in water of the peat soil. Biul. Inst. biol.
AN BSSR no.6:158-160'61. (MIRA 15:3)
(TRACE ELEMENTS)
(PEAT SOILS)
```

Effect of the noisture in past soil on the assimilation of combon dioxide by corn plants. Bokl. AF BSSR 5 nc.9:401-404 S '61.

1. Institut biologii AF BSSR. (Figh 14:10)

(Corn(Haize))

TERENT'YEV, V.M.; KONOVALOVA, L.N.

Effect of the moisture regime of peat soils on the formation of substances composing the mechanical tissues of plants. Dokl. AN BSSR 5 no.11:511-514 N \*61. (MIRA 15:1)

Predstavleno akademikom AN BSSR T.N.Godnevym.
 (Plants--Water requirements) (Lignin) (Cellulose)

GODNEV, T.N., otv. red.; VECHER, A.S., red.; TERENT VEV, V.M., red.; GONCHARIK, N.M., red.; MASHTAKOV, S.M., red.; BULANOV, P.A., red.; ZAYTSEVA, T., red. izd-va; SIDERKO, P., tekhn. red.

[Physiology and biochemistry of plants]Fiziologiia i bio-khimiia rastenii. Minsk, Izd-vo Akad. nauk BSSR, 1962. 127 p. (MIRA 15:9)

1. Akademiya navuk BSSR, Minsk. Instytut biialogii.
(Plant physiology)

GONCHARIK, Mikhail Nikolayevich; TERENT'YEV, V.M., doktor biol.
nauk, red.; KHOLYAVSKIY, S., red. izd-va; VOLOKHONOVICH, I.,
tekhn. red.

[Effect of ecologica] conditions on the physiology of cultivated plants] Vliianie ekologicheskikh uslovii na fiziologiiu kul'turnykh rastenii. Minsk, Izd-vo Akad. nauk BSSR, 1962. 246 p.

(MIRA 16:5)

(Russia, Northern—Plants, Cultivated)
(Plant physiology)

TERENT'YEV, Y.M. [TSiarents'eu, V.M.]; MINCHENKOVA, M.D. [Minchankava, M.D.]

Effect of various amounts of copper on the dynamics of carbohydrates in barley. Vestsi AN BSSR. Ser. biial. nav. no.4:26-32 (MIRA 17:8)

BULANOV, P.A., red.; VECHER, A.S., red.; GODNEV, T.N., red.; GONCHARIK, N.M., red.; LYAKHNOVICH, Ya.P., red.; MASHTAKOV, S.M., red.; MIRONENKO, A.V., red.; TELENT'YEV, V.M., red.

[Fhysiological characteristics of cultivated plants] Fiziologicheskie osobennosti kul'tiviruemykh rastenii. Minsk, Izd-vo "Nauka i tekhnika," 1964. 130 p. (MIRA 17:6)

1. Akademiya navuk BSSR, Minsk. Institut eksperimental'noy botaniki i mikrobiologii.

Summing up the selecticle work of academicians actionism correspondents of the Department of Biological Sciences of the Academy of Sciences of the White Russian S.S.E. in 1963.

Vestsi AN BSSE. Ser. blial. nav. no.2:121-130 '64.

(MHA 17:11)

1. Zamestitil' analemath-cokretarya Otdelma Hologicheskikh nauk AN BSSE (for Torentlyev). 2. Echemyy sokretary Otdelmiya biologicheskikh nauk AN BSSE (for Kupchinov).

ENT(1)/EWA(1)/EWA(6)-2 JK £ 521.8-66 SOURCE CODE: UR/0250/65/009/068/0544/0546 ACC NRI AP5025973 AUTHOR: Tsareva, R.I.; Terent'yex. ORG: Institute of Experimental Botany and Microbiology, AN BSSR (Institut Eksperimental' noy Botaniki i Mikrobiologii AN BSSSR) TITLE: Some physiologically active substances of peat soil SOURCE: AN BSSR. Doldady, v. 9, no. 8, 1965, 544-546 TOPIC TAGS: plant growth, soil chemistry, gibberellin ABSTRACT: In 1963, the authors carried out a series of studies in order to determine the presence of gibberellin like substances in peat soil. The acidified samples were extracted with ethyl acetate, and the extracts separated by paper chromatography (identification by fluorescence in UV lightj. The chromatograms obtained showed two zones located at the level of gibberellins which, like the latter, fluoresced with a blue color in UV light. The physiological activity of these substances was checked on the "Pioner" dwarf pea. Plants grown on chromatogram sections which contained the extracts showed a growth that was 19 to 25% greater than that of the controls. Thus, the solution saturated with pe t soil in April-May contains substances which behave like gibberellins in fluorescence and growth stimulation; however, a closer identification of these substances requires additional studies. The paper was presented by Academician T.N. Godnev of the AN BSSR. Orig. art. has: 1 figure and 1 table. Card 1/2

ACC NR: AP502	BM DATE: 0	IDec64 / O	RIG REF: 00	5 / OTH REF: 00	6
	•				
		<i>,</i>	•		
	 			•	
•		•			
001					
Card 2/2					

TERENT'YEV, V.M. [TSiarents'eu, V.M.], doktor biolog. nauk; KUPCHINOV, N.N. [Kupchynau, M.M.], kand. sel'skokhoz. nauk

Results of the scientific activity of academicians and member correspondents of the Department of Biology of the Academy of Sciences of the White Russian S.S.R. Vestsi AN BSSR. Ser. biial. nav. no.2:128-138 '65. (MIRA 18:12)

1. Zamestitel' akademika-sekretarya Otdeleniya biologicheskikh nauk AN BSSR (for Terent'yev). 2. Nauchnyy sekretar' Otdeleniya biologicheskikh nauk AN BSSR (for Kupchinov).

TSAREVA, R.I. [TSarova, R.I.]; TERENT'YEV, V.M. [TSiarents'eu, V.M.];
SHCHUTSKATA, O.V.

Quantitative content of low-molecular organic acids in peat
and mineral soils. Vestsi AN BSSR. Ser. bital. nev. no.3;
62-66 '65.

(MIRA 18:11)

YEMEL'YANOV, L.G. [Emel'ianau, L.R.]; TERINT'YEV, V.M. [TSiarents'eu, V.M.]

Effect of charging soil moisture on the concentration of cell sep, water content and productivity of tomato plants. Vestsi AN BSSR. Ser. bdial. nav. no.2:56-59 '65. (MIRA 18:12)

TERENT YEV, V.H. (Khar kew); FILIPPOV, A.P. (Khar kov)

remed steady-state vibrations of infinite teams supported by an elastic semispace. Prill. makb. 1 no.9:107-114 '65. (MIRA 18:10)

1. Khar kovskiy filial Instituta mekhaniki AN UkrSSR.

GRUDEV, P.I.; TERENT'YEV, V.S., kand. tekhn. nauk; KOROLEV, A.A., prof.

Book reviews. Stal' 25 no.12:1116-1119 D '65.

(MIRA 18:12)

1. Nauchno-issledovateliskiy institut tyazhelogo mashinostroyeniya Uraliskogo mashinostroitelinogo zavoda (for Terentiyev). 2. Moskov-skiy vecherniy metallurgicheskiy institut (for Korolev).

6 (7)

SOV/111-59-4-9/25

AUTHORS:

Drugov, V. M., Candidate of Technical Sciences, Senior Research

Assistant NIITS; Terent'yev, V. N., Engineer, Junior

Research Assistant

TITLE:

A Transistorized Two-Way Telephone Amplifier (Dvustoronniy

telefonnyy usilitelina poluprovodnikovykh triodakh)

PERIODICAL:

Vestnik svyazi, 1959, Nr 4, pp 9 - 10 (USSR)

ABSTRACT:

A new transistorized two-way telephone amplifier was developed at NIITS. It is to be used for cable lines of city and suburban telephone networks. About 20 amplifiers may be mounted in one bay (305 x 105 x 2365 mm) and a control panel permits the checking of the function of each of them. The circuit diagram is shown by Figure 1. The amplifier is a lattice four-pole or a so-called bridge amplifier consisting of two parts. The first part, the series section of the bridge circuit contains a line transformer, one converter and a two-terminal network. The transformer has two identical line coils and is built symmetrical in regard to ground. The second part of the amplifier, the parallel

Card 1/2

SOV/111 -59-4-9/25

A Transistorized Two-Way Telephone Amplifier

section, contains a converter and a two-terminal network. The converters contain two transistors each; types PlV; P6V or P14 may be used. The maximum amplification is obtained when the device works as a terminal unit; at 800 cycles it is 1 neper. The frequency range of the amplifier is 300 to 3400 cycles. The application of the bridge amplifier permits a higher line attenuation: for city lines to long distance stations, up to 1 neper; for inter-station communication lines 1 to 3 nepers (depending upon the number of amplifiers); subscriber lines - 1 to 2 nepers (depending upon the number of amplifiers). The power consumption is around 30 watts at 60 volts (24 or 48 volts may be used). These amplifiers have been tested in Leningrad at the Volodarskaya ATS since July 1957, and at the longdistance telephone exchange since April 1958. The effectiveness of this type of amplifier is demonstrated by Figure 3. A small number of these amplifiers will be produced by the experimental workshops of NIITS. There are 2 diagrams and 1 graph.

Card 2/2

GRUSEVICH, S.I.; SHAPIRO, S.B.; YEFRETOVA, Ye.I.; BESKIND, A.A.; FARAFONOV, L.S.; TERENT'YEV, V.N.; VASIL'YEVA, L.S.; FARAFONOV, L.S., otv. red.; ULANOVSKAYA, N.M., red.; ROMANOVA, S.F., tekhn. red.

[New equipment and operating techniques of automatic telephone exchanges] Novaia tekhnika i metody ekspluatatsii ATS; informatsionnyi sbornik. Moskva, Sviaz'izdat, 1963. 151 p. (MIRA 16:12)

SHCHEGLOVSKIY, G.V. [Shchehlos'kyi, H.V.], inzh.; TERENT'YEV, V.O.

[Terent'iev, V.O.], inzh.

| Hew machinery for livestock farms. Mekh.sil!shosp. 9 no.12:
| 26-27 D'58. (MIRA 12:1)
| (Agricultural machinery) (Stock and stockbreeding)

L 2/186-65 EWT(d)/EWT(m)/EWF(w)/EWP(v)/WP(k) IJP(c) EM  ACC NR: AP6016881 SOURCE CODE: UR/0198/65/001/009/0107/0114	
AUTHOR: Terent'yev, V. N. (Khar'kov); Filippov, A. P. (Khar'kov)	
ORG: Knar'kov Branch, Institute of Mechanics, AN UkrSSR (Khar'kovskiy filial Instituta mekhaniki AN UkrSSR)	*
TITLE: Forced sustained oscillations of infinite beams lying on an elastic half-plane	
SOURCE: Prikladnaya mekhanika, v. 1, no. 9, 1965, 107-114	±
ABSTRACT: The authors solve the three-dimensional problem of the motion of a force along an infinite beam lying on an elastic half-space for the case of forced sustained oscillations. It is assumed that masses move along the beam with a constant velocity v, and that the moving and spring-supported masses are subject to periconstant forces with frequency p. The special case of motion of a SSSR, Seriya "Mekhanika i mashinostroyeniye", OTN, No 6, 1961).  Orig. art. has: 1 figure and 20 formulas. [JPRS]	
SUB CODE: 20 / SUBM DATE: 09Apr65 / ORIG REF: 003 / OTH REF: 004	-
Card 1/1 plan	_

RIVLIN, L.B., inzh.; TERENT YEV, V.P., inzh.

Experience in adjusting the parallel operation of generators with mixed excitation. Energetik 10 no.3:22-23 Mr '62. (MIRA 15:2) (Electric power distribution) (Electric generators)

s/2892/63/000/002/0006/0023

ACCESSION NR: AT4021246

AUTHOR: Kimel', L. R., Panchenko, A. M., Terent'yev, V. P. TITLE: Calculation of the spectral angular distribution of scattered radiation of

a point unidirectional cesium 137 source in iron by means of the Monte-Carlo

SOURCE: Voprosy\* dozimetrii i zashchity\* ot izlucheniy, no. 2, 1963. 6-23 method

TOPIC TAGS: Monte-Carlo method, computers, Strela-3, energy scattering, spectral distribution, angular distribution, point source, unidirectional source,  $\gamma$  quentum, Compton effect, photoeffect, energy albedo, iron

ABSTRACT: In the article by Berger, M. J., Spenser, L. V. (radiation R35., vol. 10, no. 5, page 552 (1959)) the problem on the discribution of scattered energy of a unidirectional point source with an initial 7 quantum energy of 1.2° MeV in a semiinfinite water medium was solved by a combination of the analytic hod and the Monte-Carlo method. The authors have undertaken the task of presenting the spectral angular distribution of this type of source. The calculations of this article are based on the Monte-Carlo method and were done on the electronic computer Strela-3 of VTsAN SSSR. The results were obtained on the analysis of 5420  $\gamma$  quantum histories. The unidirectional point source with an initial y quanta energy of MOSCOLUS ENCYNESSEING PHYSICA INST Card 1/3

**APPROVED FOR RELEASE: 07/16/2001** 

CIA-RDP86-00513R001755330012-4"

ACCESSION NR: AT4021246

 $E_0 = 0.661$  MeV is located in an infinite iron medium with a density of  $\rho = 7.89$  g/cm<sup>3</sup>. The sequence of the calculation is as follows: 1) the track of the  $\gamma$  quanta is found; 2) the type of interaction is determined; 3) the angle of the quantum scattering in the Compton process is set; 4) the quantum energy after scattering is determined; and 5) the azimuthal angle of scattering is found, disregarding the polarization of the  $\gamma$  quanta. The spectrel angular distribution and function of the attenuation of the scattered radiation is obtained. Some data, known from literature, is also calculated for the purpose of verifying the method. These are correlated in different graphs. The energy albedo is determined as a relationship of the amount of energy reflected from the semi-infinite medium to the energy falling on this medium for an identical length of time. The angular distribution of scattered energy for the central areas is constructed from the graphs. A shift of the spectra in a low energy region is noted with the increase of the angle. Radial distribution of the scattered energy corresponding with experimental data done by Gol'dshteyn (Canovy\* zashchity\* reaktorov. M., Gosatomizdat, 1961) are obtained. The numerical and energy albedo and the attenuation of the primary beam are also calculated. The authors express their thanks to O. I. Leypunskiy for his constant attention to the article and to V. N. Seleznev for aid given in the programming of the problem. Orig. art. has: 16 formulas, 12 figures, and 2 tables.

Card 2/3

KIMEL', L.R.; PANCHENKI, A.M.; POLYAKOV, V.I.; TERENT'YEV, V.P.

Experimental study of the distribution function of monodirectional point sources of y-quanta with initial energies of 0.661 and 1.25 Mev. in concrete, aluminum, iron, and lead. Vop. doz. i zashch. ot izluch. no.2:28-39 '63. (MIRA 17:3)

KIMEL', L.R.; PANCHENKO, A.M.; TERENT'YEV, V.P.

Calculation of the spectral-angular distribution of scattered gamma quanta from a Cs137 monodirectional point source in iron. Atom. energ. 15 no.4:328-331 0 '63. (MIRA 16:10)

TERENT YEV, Vasiliy Stepanovich; TSALYUK, Matus Borisovich;

BENYAKOVSKIY, M.A., retsenzent; PONOMAREV, V.A., red.;

FARSHAYT, Ye.D., red.; SKOHOBOGACHEVA, A.P., red. izdva; TURKINA, Ye.D., tekhn. red.

[Thin sheet finishing mills] Ad"iustazh tonkolistovykh stanov; otdelochnye mashiny. Sverdlovsk, Gos. nauchnotekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 344 p. (MIRA 15:2) (Rolling mills--Equipment and supplies)

TRET'YAKOV, A.V., kand.tokhn.nauk; TERENT'YaV, V.S., inzh.; FOZINA, R.A., inzh.

Design of rolling mill reelers and auxiliary units. Vest.mashinostr.

(MIRA 17:4)

(MIRA 17:4)

TERENT'YEV, V.S., kand.tekhn.nauk

Cold rolling mill for the Helwan metallurgical plant. Sbor.
st. NIITIAZHNASHa Uralmashzavoda no.6:118-127 '165,
(MIRA 18:11)

TERENT'YEV, V.S., kanc.tekhn.nauk; TSALYUK, M.B., inzh.

New high-speed unit for cross cutting. Sbor. st.

NIITIAZHMASHa Uralmashzavoda no.6:128-139 '65.

(MIRA 18:11)

TERENT'YEV, V.S., kand. tekhn. nauk; AVEBBURH, L.D., Inzh.: TRET'YAKOV, A.V., kand. tekhn. nauk

Uning hydropneumatic servo systems for strip centering along a machine unit axis. Soor. st. MITTAZHMASHa Wralmashzavoda no.62140-145 [65.]

TRET'YAKOV, A.V., kand. tekhn. nauk; TERENT'YEV, V.S., kand. tekhn. nauk; KOBELEV, V.A., inzh.; POZINA, R.A., inzh.

Investigating strip tension of finishing machine coilers.
Sbor. st. NIITLAZHMASHa Uralmashzavoda no.6:260-274, '65.

(MIRA 18:11)

Dies (Metalworking)

Die with electric heating unit. Stan. i instr., No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953? Uncl.

TERENTIVEV, V. V., FL.ROV, G. V., MACCHECV, D. C., and SECBKIN, V. S.

(Acad. Sci. USSR)

"On the Stability of Proton,"

paper submitted at the A-U Conf. on Nuclear Reactions in Medium and Low Energy Physics, Noscow, 19-27 Nov 57

#### CIA-RDP86-00513R001755330012-4 "APPROVED FOR RELEASE: 07/16/2001

TEREN / YEV, V.V.

JTHORS:

Flerov, G. N., Corresponding Member AN USSR, Klochkov, D. S., Skobkin, V. S., Terent'yev. V. V.

The Spontaneous Fission of Th<sup>232</sup>

litle:

The Spontaneous Fission of Th<sup>2)2</sup> and the Stability of Nucleons (Spontannoye deleniye Th<sup>2)2</sup> i stabil'nost' nuklonov)

ERIODICAL:

Doklady AN SSSR, 1958, Vol. 118, Nr 1, pp. 69-71 (USSR)

BSTRACT:

First the authors shortly report on respective earlier works. Many a thing spoke in favor of the determination of the half-life period of the spontaneous fission of Th by means of an essential increase of the sensitiveness of the method. Such an increase of the sensitiveness can be reached by an increase of the total quantity of experimental material as well as by a decrease of the background. The advantages of proporticnal counters are mentioned. The counters used here were produced of thin aluminum tubes. Thorium was deposited in form of ThO, with bakelite lacquer on inner surface of the semi-cylindrical grooves in the cathode of the counter. As anode served Nichronium wires with a diameter of 50  $\mu$ . The counters were filled with methane and had a wide proportionality range. For the increase of the total quantity

Card 1/2

of the experimental material some counters of the same type were used. Special attention was paid to the decrease of the

The Spontaneous Fission of Th<sup>232</sup> and the Stability of Nucleons 20-1-19/58

background. Possible reasons for errors e.g. neutrons, are pointed out. From the measurements discussed here the following results: the half-life period of Th<sup>2/2</sup> is (if thorium suffers a spontaneous fission at all) more than lo<sup>21</sup> years. If we accept the condition that thorium nuclei, because of the decay of a nucleon, are divided into lighter particles the life of the compound nucleon is more than lo<sup>22</sup> years. By means of the here discussed method for the registration of rare fission acts the authors also searched for transuranium elements in monazite minerals. For this purpose monazites from different deposits of an age of more than lo years were investigated. For the plutonium content a value of < lo % was obtained. There are 5 references, 1 of which is Slavic.

SUBMITTED:

October 4, 1957

AVAILABLE:

Library of Congress

Card 2/2

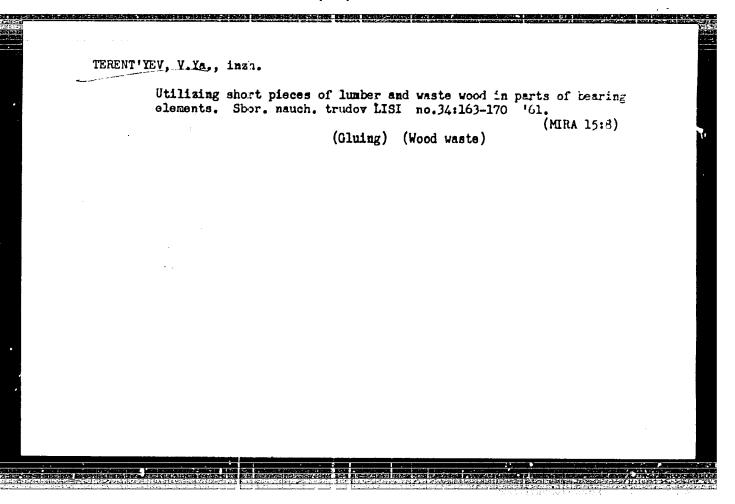
A MULBBARD	r: AP404,9059	/AFIC ID I /ESD	real and region of the second		/64/000/011./~0	J5G/CO51
THORE De	ran tage 7.	· .				
. 1						
PIO TACLE	printing :	eta orio esti		ota emosaro	and the second	7.56
			-			
MEACT '	Ne nime, ee			Some may o	gara in a singe	
				•		
		نکر نیاد نگریگ د کندند	en e	<u> यत                                   </u>	<u> </u>	<u> </u>
printing	Giectromagn	rts. The line	es are printe	d parallel	and in series u rate of 12	, each

L 18304~65			•		
ACCESSION NR: AP4049059		ere <del>em</del> e e e e e e e e e			
responsible to the second of t				~**	
a. C. Dower comply Tt.	00H			0	
continuous printing and (i nour for inspection.)	sum Operate for 23 h	isure out of 24	with 15-min	periods of	
(1 hour for inspection.)	The models are for	wise our bill	Wing ribbon .	cnange	
characteristics: distant	La wisctured The	Landidio Tize	eu kno one I	or tube-	
characteristics: distant	e bitween lines 5 5	+ O 5 1	16 Pollowing	additional	1
		Tang Copt	ecters 2 7		
				r reo mm	
printing paper width co =	5701 195 Published 277 mans	it weight 39 kg	, dimensions	. 4.0 mm,	,
printing paper width com 525 × 475 mm. Orig. art.	5701 195 Published 277 mans	it weight 39 kg	, dimensions	. 1.6 mm, 5 480 х	,
printing paper width com 525 x 475 mm. Orig. art.	5701 195 Published 277 mans	it weight 39 kg	dimensions	2 480 x	,
printing paper width com 525 x 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it veigh+ 39 kg	;, dimensions	2 480 x	
printing paper width com 525 x 475 mm. Orig. art.	5701 195 Published 277 mans	it weight 39 kg	, dimensions	: 480 x	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	g, dimensions	ENCL: 00	
printing paper width com 525 x 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	g, dimensions	ENCL: 00	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00  OTHER: 000	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00  OTHER: 000	
printing paper width com 525 × 475 mm. Orig. art. ASSOCITION: none	5701 195 Published 277 mans	it weight 39 kg	, dimensions	ENCL: 00  OTHER: 000	

TERENT'YEV, V.Ys., inzh.

Through-type glued beams. Sbor. nauch. trudov LISI nc.34:15%-162
'61.

(Beams and girders) (Gluing)



TERENTIYEN, V.Ya., inch.

Effect of moisture on the characteristics of particle board. Der. prom. 14 no.1:5-7 Ja '65. (MIRA 18:4)

1. Leningradskiy inzhenerno-stroitel'ny institut.

ACC NR. AP7002721

SOURCE CODE: UR/0237,66/000/012/0013/0016

AUTHOR: Adrianova, I. I. (Candidate of sciences); Popov, Yu. V. (Candidate of sciences); Terent'yev, V. Ye. (Candidate of sciences)

ORG: none

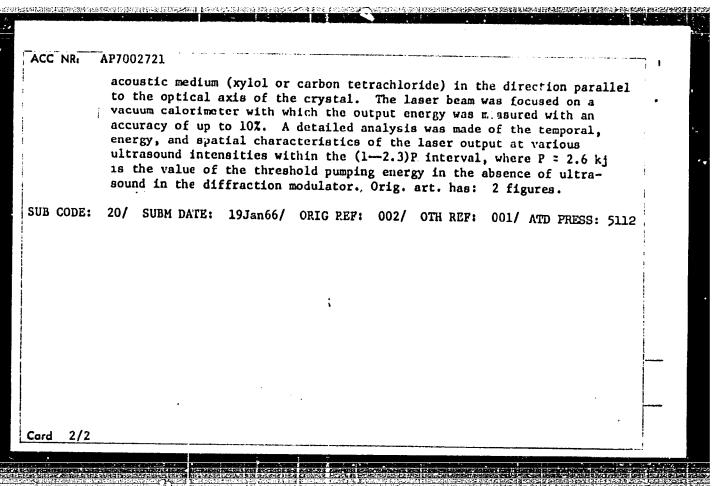
TITLE: The regular generation of a ruby laser switched by a standing-wave diffraction modulator

SOURCE: Optiko-mekhanicheskaya promyshlennost', no. 12, 1966, 13-16

TOPIC TAGS: ruby laser,  $\mathbb Q$  switching, diffraction modulator, xylol, carbon tetrachloride, ultrasonic modulation

ABSTRACT: This article is a continuation of an earlier study (Optika is spektroskopiya, 20, 1966, 924) on the modulation of a laser beam by an ultrasonic wave in a diffraction modulator. The present experiments were carried out using modulated standing-wave and non-modulated traveling-wave diffraction modulators at above-threshold pumping energies controlled by the ultrasonic waves. The experimental ruby laser (12 mm long and 1.4 mm in diameter) was pumped by two flashlamps in a double elliptic reflector. The external cavity consisted of two dielectric mirrors 80 and 99.5% reflective at 0.7 µ. The diffraction modulator was placed between the ruby rod and the 99.5%-reflective mirror so that the ultrasonic waves were propagated through its

Card 1/2 UDC: 621.378.32:621.376



FED/EWT(1)/EWT(m)/EEC(k)-2/T/EWP(k)/EWA(h)ACC NR: AP6015444 SOURCE CODE: UR/0051/66/020/005/0924/0926 AUTHOR: Airiancva, I. I.; Popov, Yu. V.; Terent'yev, V. Ye. 60 ORG. none TITLE: An experimental study of control of generation of a ruby laser by means of a modulated traveling ultrasonic wave diffraction modulator SOURCE: Optika i spektroskopiya, v. 20, no. 5, 1966, 924-926 TOPIC TAGS: laser, solid state laser, ruby, coherent light, modulation, light ABSTRACT: The possibility of modulating a laser beam by an ultrasonic wave in a diffraction modulator placed between the ruby rod and the external mirror of an interferometer is experimentally investigated. In such an arrangement, modulation would be achieved by modulating the ultrasonic wave so that as a result of diffraction the laser beam would be periodically deflected from the direction normal to the mirror. The output power of the laser was 0.13 j. The presence of the xylene-filled modulator (in the absence of the ultrasonic wave) did not change the oscillation threshold or the power output of the laser. The modulating frequency of the ultrasound was 20-200 kcps and its intensity was such that the intensity of light in the zero-order maximum was 35, 25, and 5% of the maximum in the absence of ultrasound. In the absence of the ultrasonic waves the laser pulse exhibited irregular amplitude UDC:N 621.375.9:535

ACC NR: AP6015/44

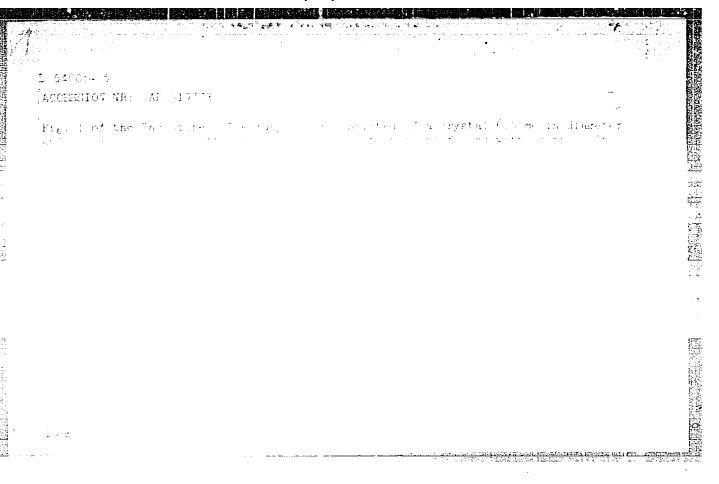
and repetition rate. Generation controlled by ultrasonic waves was characterized by a higher density of relaxation precests with respect to the repetition period and the amplitude. At a constant modulation frequency the number of relaxations per packet and the duration of the packet decreased and the amplitude of the relaxations increased with increasing intensity of ultrasound. At a constant intensity of ultrasonic waves the number of relaxations per packet and their duration decreased with increasing modulation frequency until at some high frequency some of the packets were not generated. At a constant modulation frequency of the ultrasonic wave the energy of the modulated light decreases with increasing intensity of the ultrasound by 10—50%. Similar results were obtained using a 1-j laser. Orig. art. has:

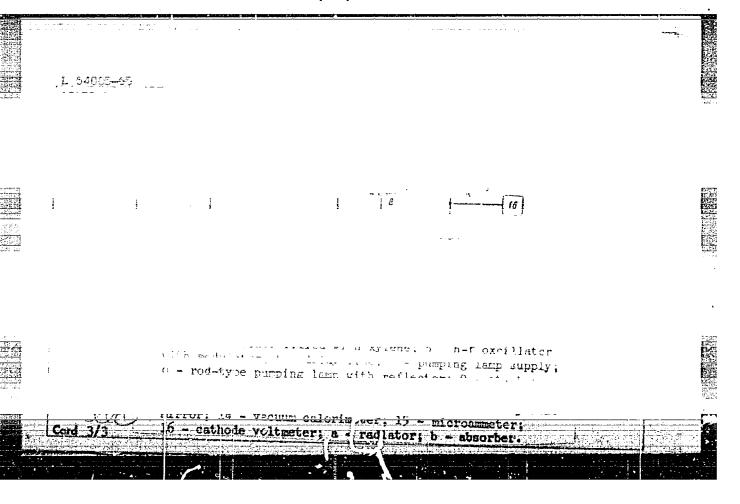
[CS]

SUB CODE: 20/ SUBM DATE: 18Feb65/ ORIG REF: 092/ ATD PRESS: 42.59

Card 2/2

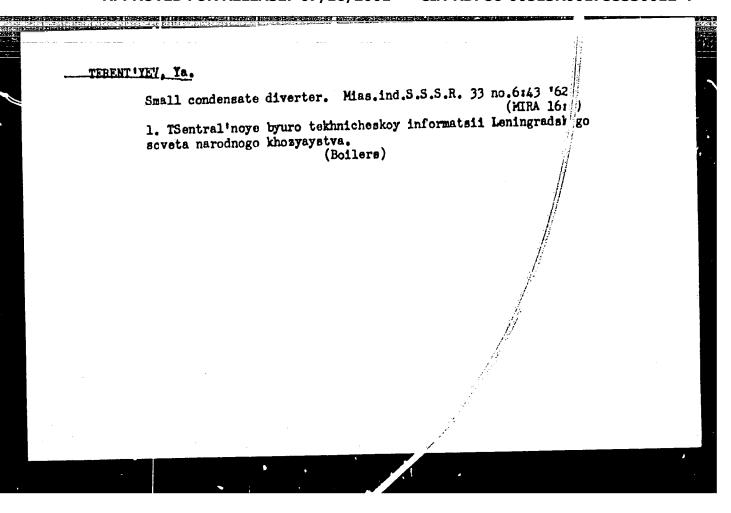
ACCESSION NE: APS HYTTS	STD LOCK LET LOSO LAND LAND CONTRACT
Control Report R	UR/0051/65/019/002/0307/0310 621.378 325+534.321.9
AUTHOR: Adrienove, I. I.; Fetor, Yu. V.; T	erent'yev, V. Ye.44
TITLE: Generation of giant pulses in a rub sound wave diffraction andulate.	y leser by means of a traveling ultra-
SOURCE: Optika i spektroskering, v. 19. no	. 2. 1965. 307-310
1	
TOPIC TAGS: ruby laser, pulsed laser, gles	t julse, pulse switching, pulse modulation,
diffraction modulator, traveling wave modul	etor, passive switching, swiene
ABSTRACT: A light diffraction rodulator, d	escribed previously by T. T. Admissors
	a unoil an an antical cuitch for askensing
The former value of a mine 122-100	to the Sever of Automorphism of the second
the suffice where he are any are	the control of the option of the control of
and the contract of the contra	
difference by the ending the control of the	المنافع المنافع والمنافع والمنافع والمنافع والمنافع والمنافع والمنافع المنافع المنافع المنافع المنافع المنافع
At the instant the ultrasound excitation was	the later action.
	are concrused the earter The Barton
restore the leger offer. A block diagram	Of the overnier santat actual to allere to
restore the lawer action. A block diegram	of the experimental setup is shown in

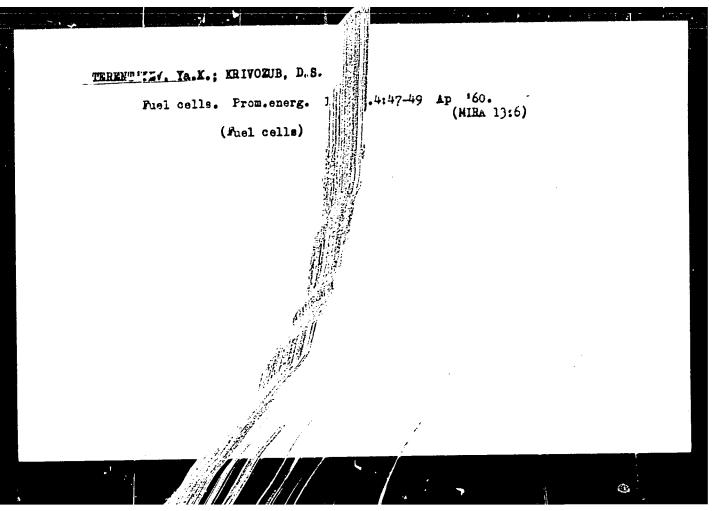




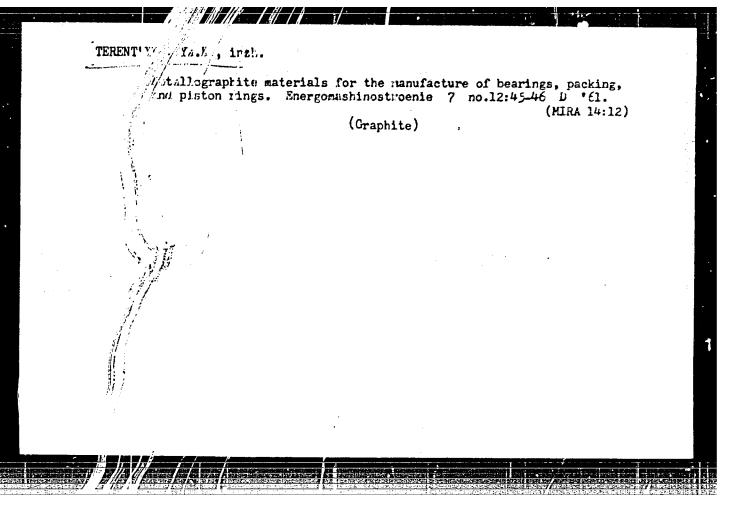
ADRIANOVA, I.I.; POFOV, Yu.V.; TFRENT'YEV, V.Ye.

Froduction of a powerful radiation pulse from a ruby laser with the aid of an ultrasonic traveling-wave diffraction modulator. Opt. i spektr. 19 no.27307-310 Ag '65. (MIRA 18:8)





APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755330012-4"



APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755330012-4"

AOIESHIK, Nikolay Vasil'yev'ch, inzh.; TERENT'YEV, Yakov Kirillovich, inzh.; VASIL'YEV, I.A., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Vibratory cleaning, tumbling, grinding and polishing of machine parts] Vibratsionnaia ochistka, galtovka, shlifovanie i polirovanie detalei mashin; stenogramma lektsii. Leningrad, 1963. 47 p. (MIRA 16:6)

(Vibrators) (Metals-Finishing)

8/193/63/000/002/007/007 A004/A101

UTHOR:

Terent'yev, Ya. K.

TITLE:

Using molybdenum sulfide for improving the durability of dies and

cutting tools

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 2, 1963, 86 - 87

The author presents a general survey on the chemical, mechanical and antifr: ction properties of MoS, and points out that it is widely used abroad as lubricant. The friction coefficient of a MoS, film amounts to 0.05 - 0.09, i.e. it is considerably lower than that of phite. A chemical reaction with the atmospheric oxygen takes place only at temperatures over 693 K, while in the absence of air, it resists temperatures of up to 1,273 K. MoS, increases the service life of cutting tools by 200 - 300% even under unfavorable material conditions, e.g. transformer iron containing a high amount of silicon. It is reported that a new method of producing synthetic molybdenum sulfide of laminar structure has been developed at Łódź (Polish People's Republic). According to this method, pure ammonium molybdate is melted at 633 - 653 K with the double amount (in weight) of

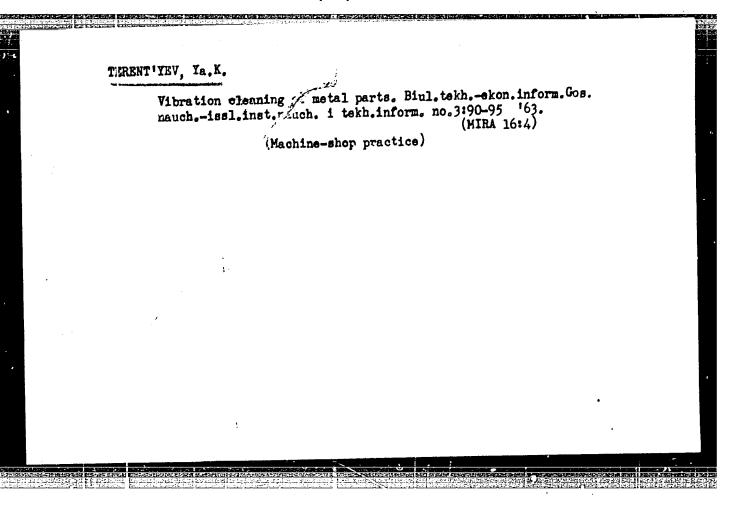
Card 1/2

Using molybdenum sulfide for ...

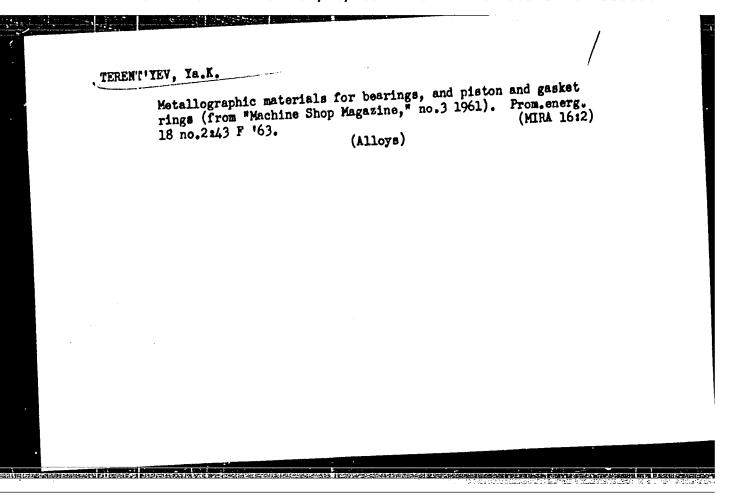
S/193/63/000/002/007/007 A004/A101

amorphous or crystalline sulfur. The gray-black powder obtained has a hexagonal structure and good lubricating properties. The author describes some modes of applying MoS<sub>2</sub> to cutting tools and dies, and states that drills, reamers, high-speed steel cutting tools, blanking and drawing dies are coated with MoS<sub>2</sub> at the plants of the GDR. He points out that MoS<sub>2</sub> can also be used for lubricating antifriction bearings and quotes in this connection the following bibliographic references: Fertigungstechnik und Betrieb, 1961, No. 11, 745; Maschinenbau, 1961, No. 9, 390.

Card 2/2



•	Ther My	modynamic 163.	condensate outlet.	Mashinostroitel!	no.5:23 (MIRA 16:7)	
ķ			(Boilers)			



s/0193/64/000/002/0076/0077

AP4014372 ACCESSION NR:

AUTHOR: Terent'yev, Ya. K.

TITLE: Technical-economic advisory board of the Leningrad council of

national economy SOURCE: Byul. tekhn.-ekon. inform., no. 2, 1964, 76-77

TOPIC TAGS: molybdenum disulfide, antifriction coating, increased wear resistance, cutting tool, friction coefficient, MoS2 synthetic production method

ABSTRACT: Molybdenum disulfide, an antifriction coating produced by a new synthetic method, is reported to increase wear resistance of cutting tools by 2-3 times. This coating may be applied in the form of a marker or water suspension into which metal parts are dipped. Before coating, exide or grease films are removed to ensure good adhesion. After coating, the metal parts are dried at 100°C. The friction coefficient of the McS2 coating ranges from .03 to ...09. During McS2 preparation, the particles must be finely ground to ensure good dispersity. On the basis of experimental research nearing

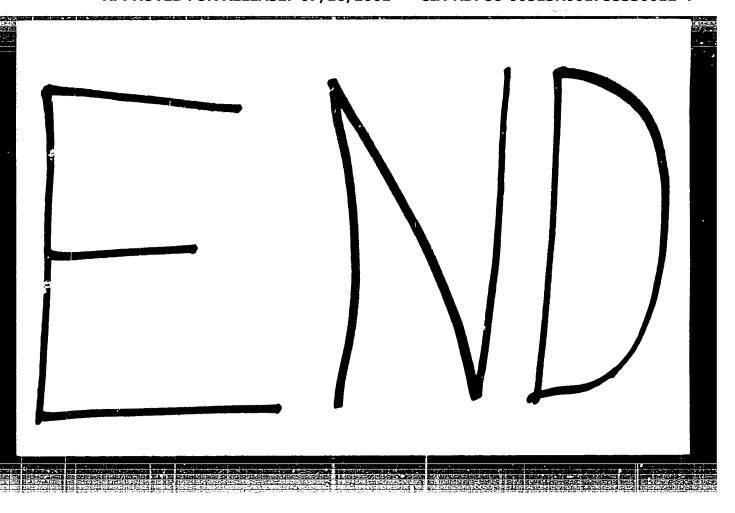
Card 1/2

A	CCESSION NR	: AP4014372	2	, 1. 1 <del>. a.</del> a	general a de la compa	<b>**</b>	<u>ا</u> .
o b	ompletion, uilding and	the use of M finishing p	loS, is stro lants. Ori	ongly recor	mmended in	machine	•
A	SSOCIATION:	None		.De ar a 116	m: wome.	,	•
S	JEMITTED: 0	00	DATE ACO.	02Mar64	•		•
នា	B CODE: ML	,				ENCL:	00
•		•	no rep so	Va 000		OTHER:	000
		* •		:		/	:
· · · · · · · · · · · · · · · · · · ·				•		• •	:
				•			
		1.			•		
	1			· .			
							*
	12/2			1.			

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001755330012-4

#606
TENSINA, I.I.
Terentyev, ye. K.



APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755330012-4"